ABSTRACT OF THE DISCLOSURE:

TITLE: ELECTROMECHANICAL MODULE, FOR HOLDING IC-CHIPS IN A CHIP TESTING SYSTEM, THAT SYNCHRONIZES AND TRANSLATES TEST SIGNALS TO THE IC-CHIPS

An electromechanical module, for holding IC-chips in a chip testing system, includes a circuit board having a plurality of sockets mounted thereon. Each socket is structured to hold one IC-chip that is to be tested, and each socket has a corresponding register on the circuit board. In addition, a bus is on the circuit board, which -a) sends a timing pulse to a clock input on all of the registers in parallel, and b) concurrently sends a clock signal and N-1 test signals to N data inputs on all of the registers. Further, each socket has N input terminals that are connected to N outputs on a respective set of signal translators on the circuit board, and each set of signal translators has N inputs that are connected to N data outputs on the socket's corresponding register.